22 August 1962

	NEMORANDUM FOR:	Chief, Technical Plan	ns and Develop	ment Staff		
	THROUGH:	Chief, Technical Development Branch				
	SUBJECT:	Staff Study, "Overhan	ıl of Com	parator"	25X1A	
25X1/	A1. PROBLEM					
25X1A 25X1A	Should the prior to moving		or be checked recalibrated	for possible in setting	e overhaul up in	
	2. FACTS					
25X1	approximately f maintenance. D	imparator, located in inverse very very very very very very very ver	dic calibration of this :	on tests and instrument.	with minimum	
	3. DISCUSSION					
25X1A	calibration pro- therefore, necessinstrument requi	the lack of trained personal received, it has been adured to maintain the sary that a calibratic res overhauling. This is, and overhauling if	en impossible instrument in an check be mad can best be d	to perform to condit: le to determinate by school	the necessary ion. It is, ine if the fuling the	25X1/
	the instrument	, a special moving sle me location to another came is not twisted in ad can be handled on t	This is necessary to the handling. It	cessary to in	sure that	
	perform the necessive broken down in	d proposal was solicit seary calibration chec bree parts. Part I is shipment. Part II con	ks and possibl	urv inapectic	m and	25X1A
25X1A	If gverhauling	and calibrating. The required, Fart III is of overhauling, inst	cost of Parts	I and II is	each.	25X1A
				in me	1	25X1.

DECLASS REVIEW by NIMA/DOD
Approved For Release 2002/06/17 : CIA-RDP78B04747A0021000400472410

4. CONCLUSIONS

25X1A	TID has recommended that necessary steps be taken to insure the continued use of the comparator in the best possible condition. The manufactured the comparator and is considered the most capable organization to perform the services as outlined in their proposal.
	5. RECOMMENDATIONS
25X1A 25X1A	It is recommended that NFIC negotiate a contract for with the on a fixed fee redeterminable downward basis. The date on which the service provided by the contract is to commence must be coordinated with the move to An option should be included to allow the with approval of the technical monitor, to proceed with either Part II or Part III based on
	the findings of Part I.

June 19, 1962

As per your request, we are please to quote you on moving and possibly everhauling your Type 621 Comparator. The quote is broken down into three parts of which only two will be used depending upon the requirement for overhauling.

Part I We will prepare the Type 621 shipping crate and ship it to your facility. An engineer will fly to Washington after the crate arrives and calibrate the comparator to determine if there are any gross errors and evaluate the condition of the comparator. He will crate the comparator for shipment either to your new location in the Washington, D.C. area or to our plant in for overhaul.

Cost of Part I

Part II If the comparator is not to be overhauled, it will be shipped to your new location, transportation supplied by the U.S. Government. The engineer will uncrate, clean, lubricate, and calibrate the comparator. Calibration curves will be furnished, but the error will not be compensated unless possible with adjustments available. The U.S. Government will return the shipping crate to our plant in via Railway Express collect for restocking.

Cost of Part II

Part III If the comparator requires overhauling, it will be shipped by the U.S. Government to our plant in via Railway Express collect for further evaluation of costs for replacing damaged. parts. (A description of normal overhaul

procedure will follow). The comparator will be overhauled, returned to your new facility; set up by a engineer and calibrated. The U.S. Government will return the shipping crate to our plant in via Railway Express collect for restocking.

Cost of Part III

A normal overhaul procedure is as follows:

- 1. Complete disassembly.
- 2. Inspect and replace all parts defective due to normal wear. (We can not include the cost of replacing damaged parts since we do not know if any exist and if they do, to what extent they are damaged. Through past experience, we have a good feeling for what parts must be replaced due to normal wear.)
- 3. Repaint the castings.
- 4. Refinish all nickled parts.
- 5. Relap both X and Y axis lead screws and refit the precision nuts.
- 6. Rescrape all guiding ways and locating pads.
- 7. Replace all ball bearings.
- Replace electrical switches, motors and other parts considered necessary.
- 9. Reassemble the comparator.
- 10. Calibrate.

The overhaul process will take 60 days after the comparator reaches our plant.

Part I can be started 15 days after receipt of order. Terms are net.

Very truly yours,